

WO 2004/038375

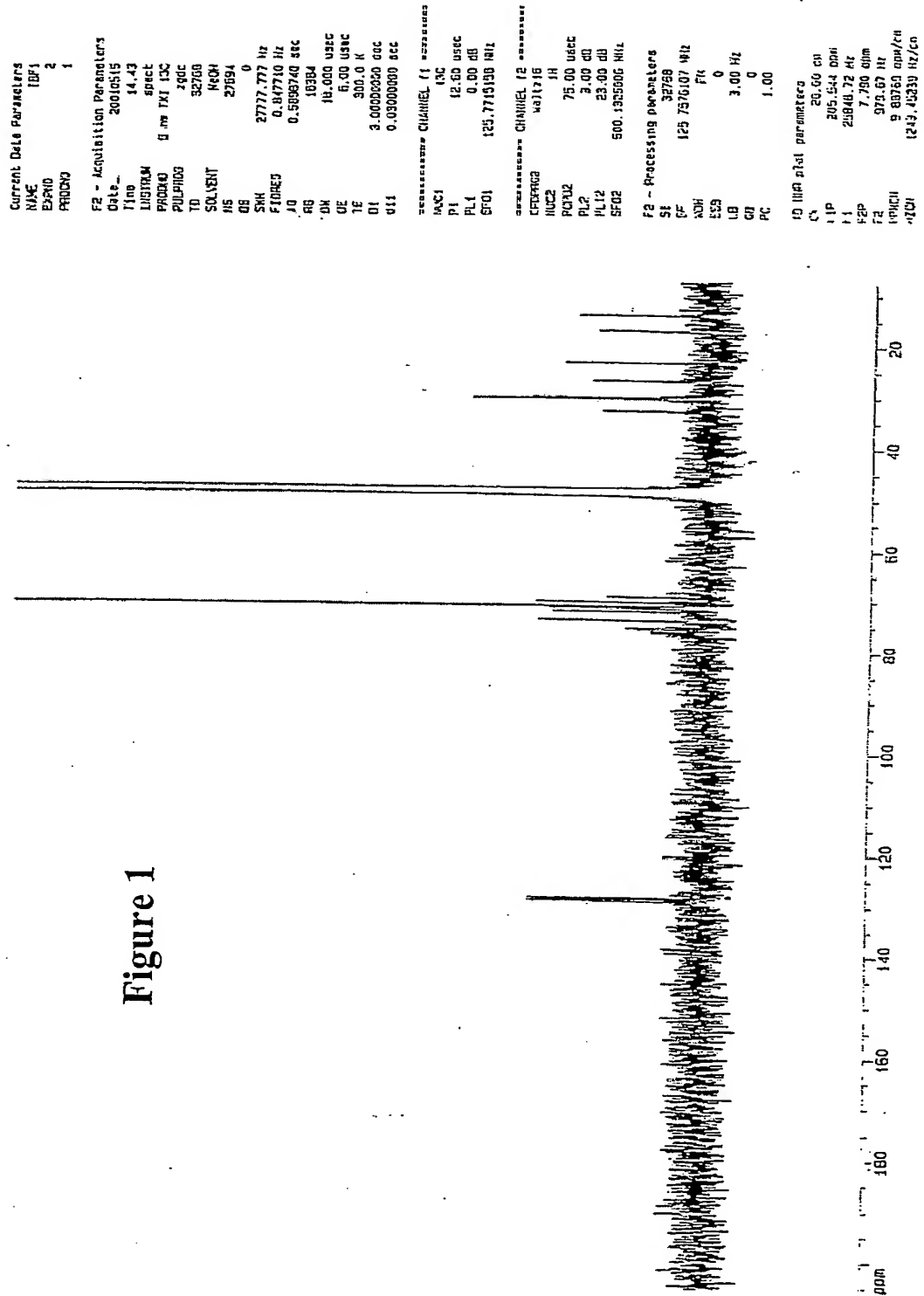
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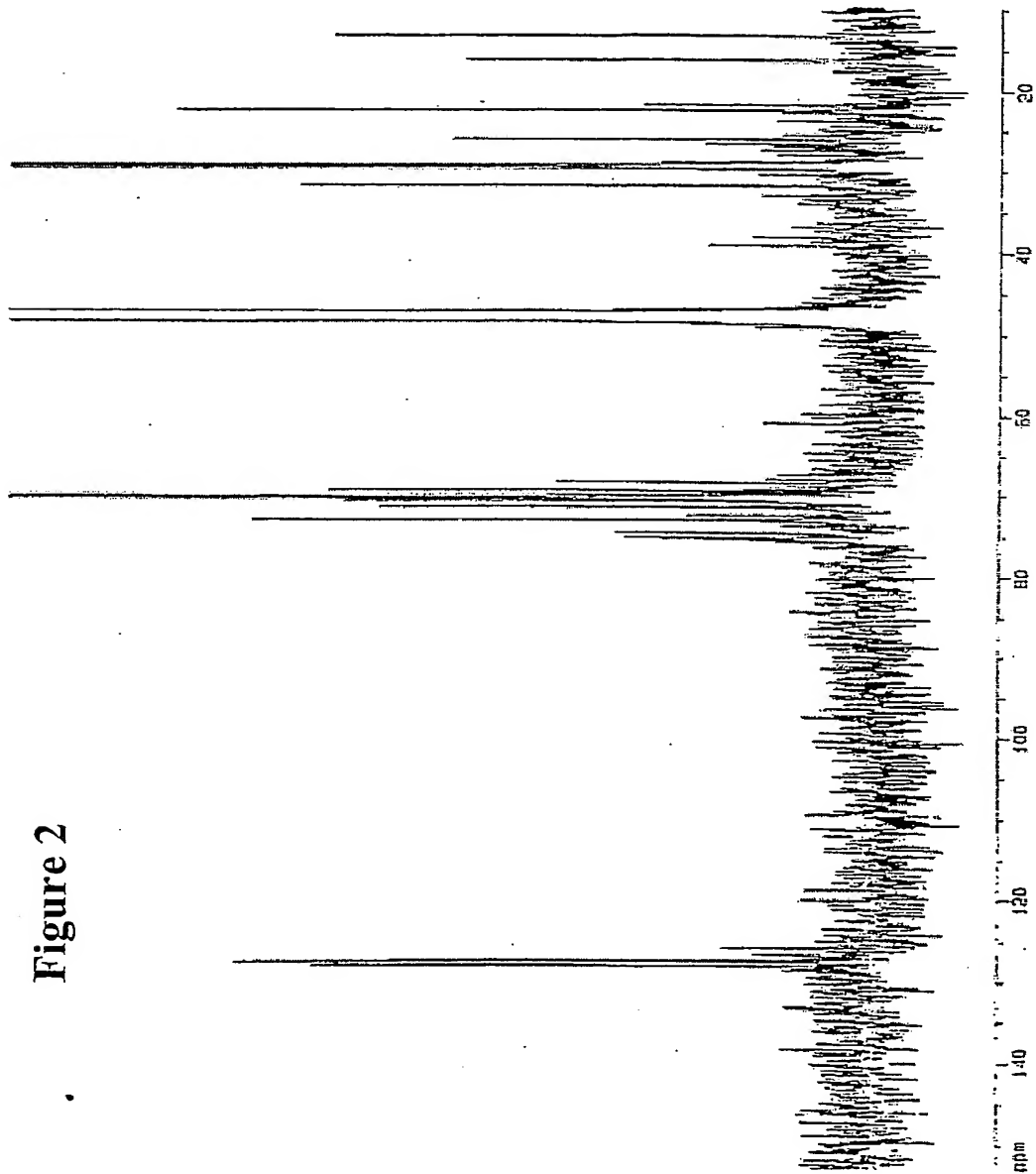
Pfiesteria Most Pure to date
 1H demonstrates impurities present

Figure 1



 P2 - Acquisition Parameters
 Date_ 23010519
 Time 11:32
 INSTRUM spect
 PROCOAD 5 Hz FM 13C
 PULPROG zgpg
 TO 32768
 SOLVENT MeOH
 NS 21688
 DS 0
 SFO 27777.777 Hz
 FIDREQ 0.847710 Hz
 AQ 0.5000740 sec
 RS 16394
 OR 10.000 usec
 DE 6.00 usec
 IE 500.0 Hz
 DI 3.0000000 sec
 d11 0.0000000 sec
 ***** CHANNEL 1 *****
 NUCL 13C
 P1 12.80 usec
 PL1 0.00 dB
 SFO1 125.7715188 MHz
 ***** CHANNEL 2 *****
 CONPRG2 zgpg
 NUCL2 1H
 PPR2 75.00 usec
 PL2 3.00 dB
 SFO2 500.1325000 MHz
 P2 - Processing parameters
 SI 32768
 SF 125.7715188 MHz
 NDN 64
 FID 0
 S 3.33 Hz
 GB 3
 PC 1.30
 ID 1000 Hz
 CA 20.00 Hz
 FID 101.000 000
 F1 10253.04 Hz
 F2 9.725 000
 F3 1722.95 Hz
 FWHM 7.16853 000/Hz
 FWHM 891.10130 12.1/Hz

Figure 2



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Specific Protocol

Chromatogram #1

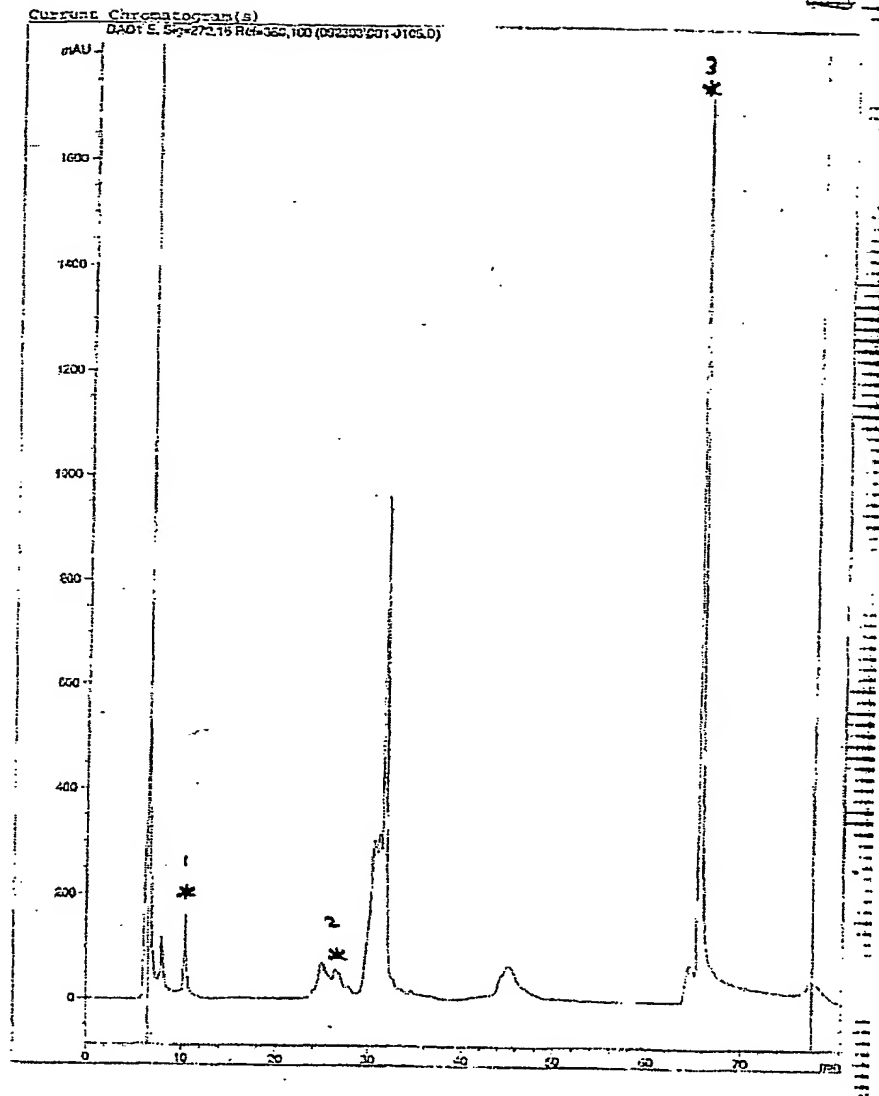
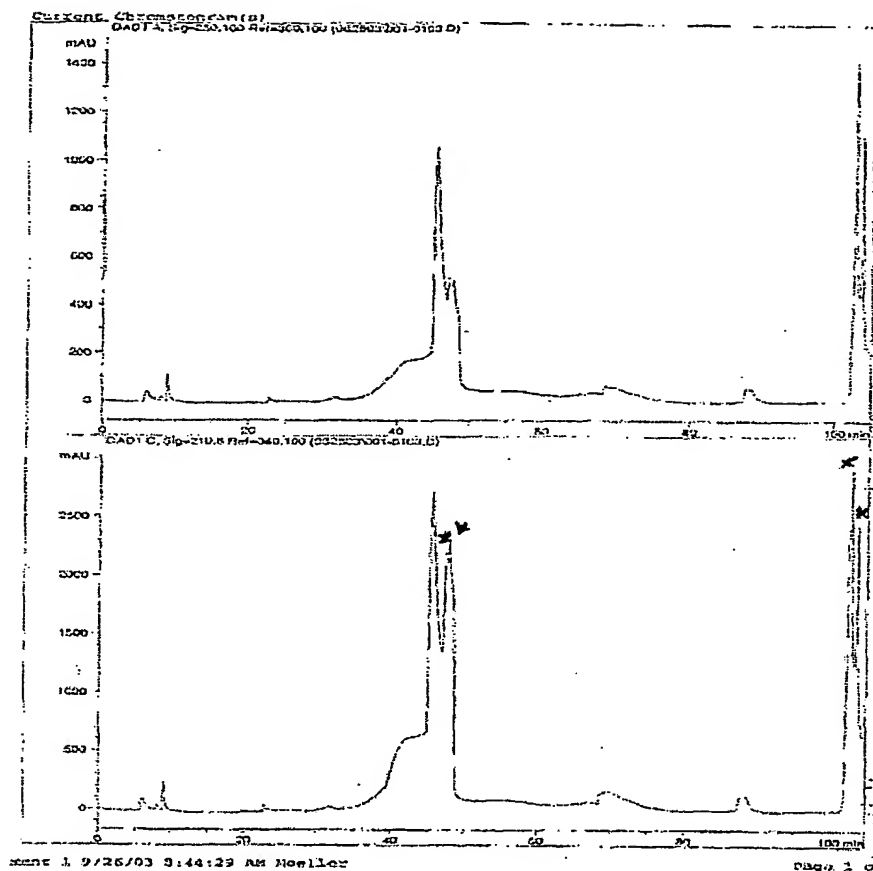


Figure 3

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Specific Protocol

Chromatogram #2



x - Active fractions -
all decomposition products by NMR

Figure 4

Current Date Parameters
 NAME PTIME 2
 EXNO
 PROCN 1

F2 - Acquisition Parameters
 Date 20030606
 Time 13:58
 INSTRUM spect
 PROCD 5 as 1x1 13C
 PULPROG zgpg
 TO 32713
 SOLVENT DMS
 NS 14494
 DS 0
 SM 2777.777 Hz
 FREQS 0.047710 Hz
 AQ 0.569740 sec
 RG 16384
 DM 18.000 usec
 DE 0.00 usec
 TE 303.0 K
 DI 1.5000000 sec
 d11 0.0300000 sec

***** CHANNEL f1 *****
 NUCL 13C
 P1 7.00 usec
 PL1 0.00 dB
 SFO1 125.771555 MHz

***** CHANNEL f2 *****
 CPDPRG2 gpcu
 INJ2 14
 VOLT2 75.00 usec
 PL2 23.00 dB
 PL12 23.00 dB
 SFO2 500.135505 MHz

F2 - Processing parameters
 SI 32768
 SF 125.757613 MHz
 EN 0
 ES 0
 LB 3.00 Hz
 GB 0
 PC 1.00

 F2
 F2
 NAME
 QDC 1150.7959 Hz

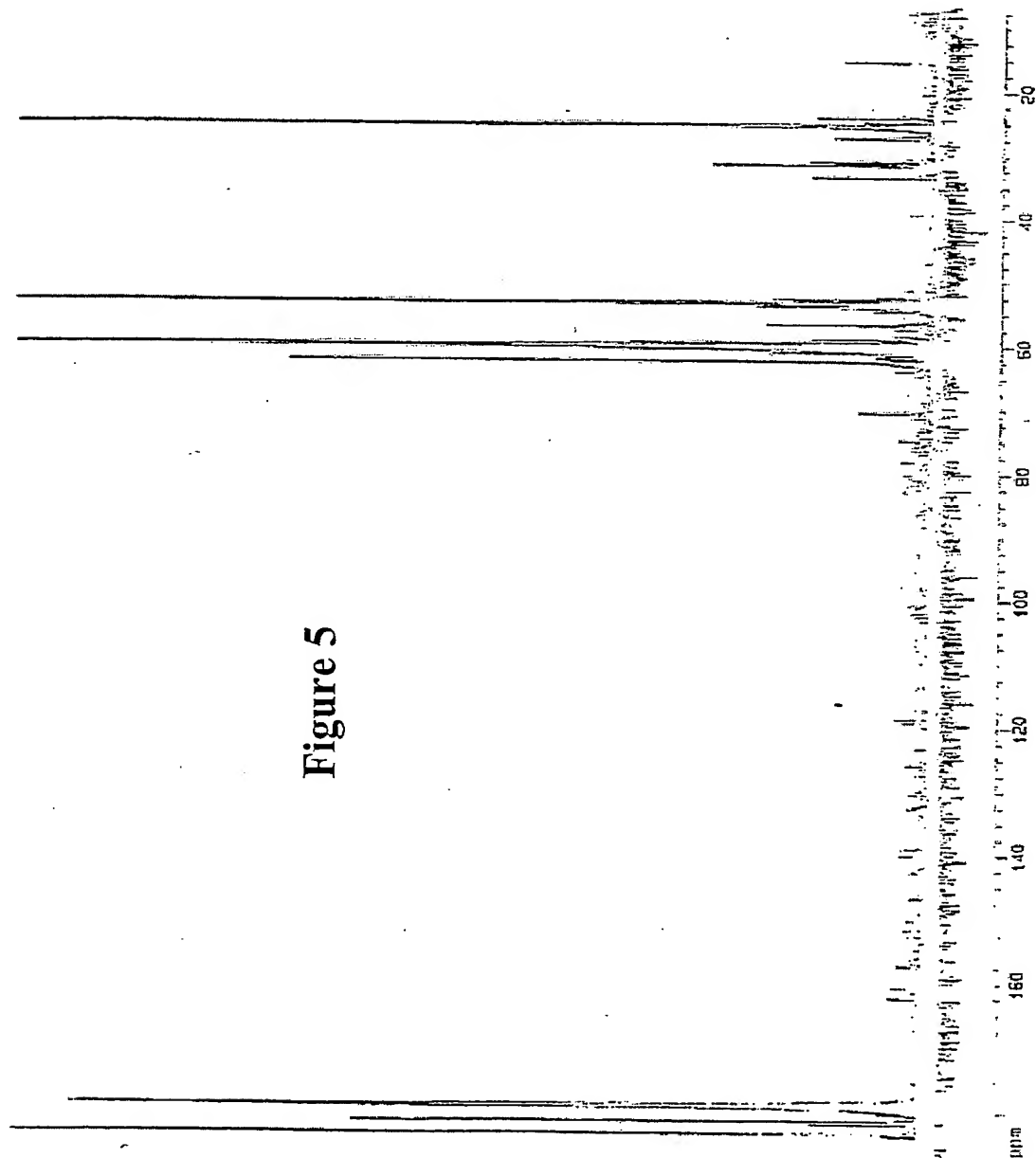


Figure 5